SIEMENS

ARCADIS Orbic

SP

Installation and Startup

System

LITHOSTAR Modularis Vario Adaptation

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Print No.: SPR2-320.814.04.01.02
Replaces: n.a.

English
Doc. Gen. Date: 06.05

Document revision level

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4 Installation of the LITHO Modularis Vario adaptation

Work steps to be performed

Scope of the instructions

These instructions apply to the installation of the LITHOSTAR Modularis adaptation.

Safety information

NOTE

When performing work steps, observe the product-specific safety information in the documents as well as the general safety information contained in ARTD part 2.

⚠WARNING

Tests and adjustments performed with the radiation on are identified by the radiation warning label.

➪ **When performing adjustments labeled as shown here, appropriate radiation protection measures must be taken (see ARTD, part 2).**

Required tools, measurement and auxiliary devices

Tool kit	
Protective conductor resistance meter	e.g., Safety Tester Bender UNIMET 1000ST, mat. no. 51 38 727

Opening the housing

- Disconnect the system from the power supply, and pull out the power plug.
- After removing the paneling screws, remove the cover of the basic unit.

Installing the connector panel and relay

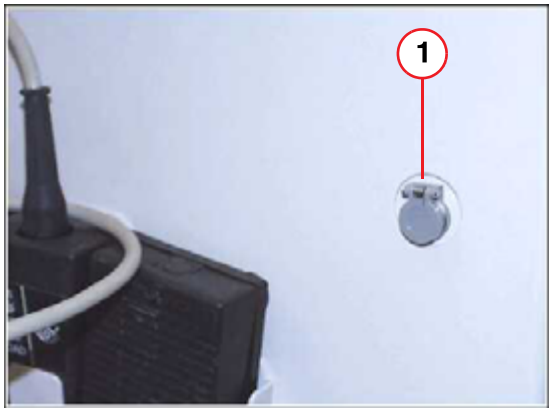

Fig. 1: Modularis Vario connection

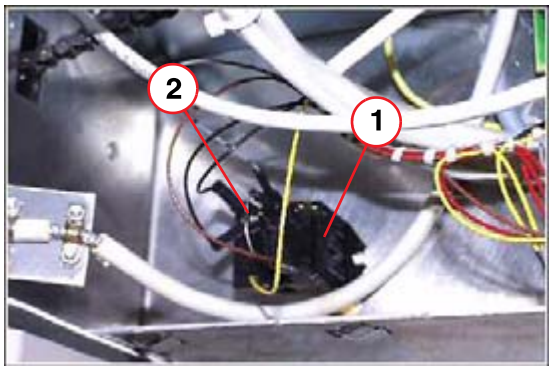

Fig. 2: Relay and diode

- Remove the dummy plug from the opening.
- Push the connector panel from the inside onto the threaded bolts (1/Fig. 1 / p. 5) and use 3 mm lock washers and nuts to secure it.
- Place the relay on the available threaded bolts (1/Fig. 2 / p. 5) and use 3 mm lock washers, shims, and nuts to secure it.

Wiring

- Connect the supplied diode to relay K1 (2/Fig. 2 / p. 5).
  - Connect the cathode (identified by a ring) to connection 6 (yellow cable).
  - Connect the anode to connection 5 (grey cable).

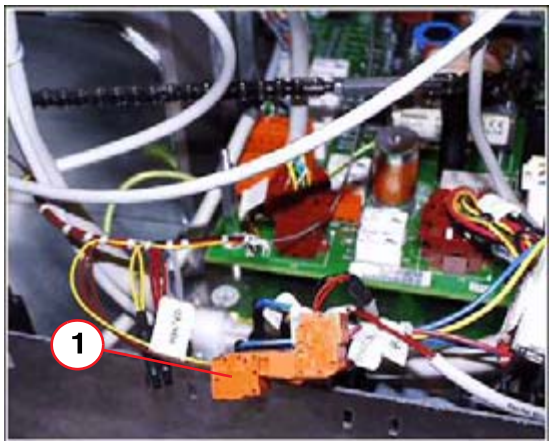

Fig. 3: Switch plug connection

- Unplug the connector D3.X6 from the board D3.
- Reconnect the unplugged connector to the existing plug-in connection D3.X6A at the new cable harness (1/Fig. 3 / p. 6).
- Plug the connector D3.X6 of the new cable harness into the plug-in connection on the D3.X6 board.
- Plug the connector D3.X10 of the new cable harness into the contacts of the D3.X10 board.
- Secure the new cable harness using cable ties. The cables must not be in the way of any mechanically moving parts of the steering mechanism.

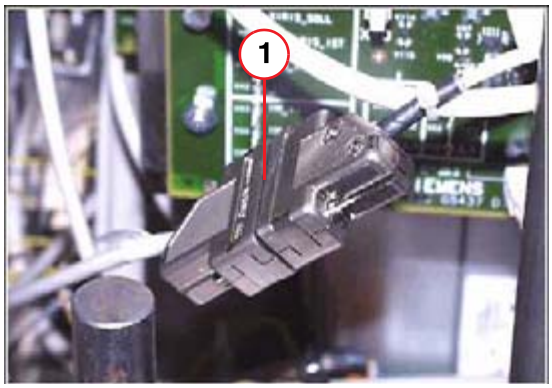

Fig. 4: SUB-D plug connection

- Connect and screw together the two SUB-D plugs (1/Fig. 4 / p. 6).
- Secure the plugs at a suitable location.

Function Check

- Connect the ARCADIS Orbic to the monitor cart.
- Plug in the power connector.
- Switch on the system and wait for bootup of the entire system.
- Select fluoroscopy.

- Briefly activate fluoroscopy with the hand switch.
  - ➪ It must be possible to release radiation with the hand switch.

- Switch off the system.
- Connect the ARCADIS Orbic to the LITHOSTAR Modularis.
- Switch on both systems.
- Briefly switch on fluoroscopy with the hand switch.

  ➪ Radiation release with the hand switch must be disabled.

- Briefly activate fluoroscopy with the LITHOSTAR Modularis control unit.

  ➪ Radiation release with the LITHOSTAR Modularis control unit must function.
- Switch off both systems.

Final Work Steps

- Refit all covers. Make sure the protective conductors make good contact.
- After all work has been completed and all covers have been closed, perform the protective conductor test according to ARTD-002.731.17... The protective conductor resistance must not exceed 0.2 Ohm.
- File these instructions in the system folder of the product.

n.a.	New production